(9)

# BRUHAT BANGLORE MAHANAGARA PALIKE

## DASARAHALLI-ZONE

## T.DASARAHALLI-SUB-DIVISION.

***Name of Work:*** *Improvements to 1st Main Road at Munikondappa layout in Ward no.14, Bagalagunte.*

Estimate Cost :- 6.00 Lakhs

# BRUHAT BANGALORE MAHANAGARA PALIKE

## DASARAHALLI ZONE

*Name of Work :-Improvements to 1st Main Road at Munikondappa layout in Ward no.14, Bagalagunte.*

| | | | Est. Cost Rs | | | | 6.00 | Lakhs | |
|---|---|---|---|---|---|---|---|---|---|
| Sl | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
| 1 | KSRRB 300-47. Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges Complete as per specifications. MORTH Chapter 3. **Page No. 158/ Item No. 19.53/ PWD SR 2013-14** | **Sqm** | | | **Avg** | | | | |
| | **1st Main roads** | | 1 | 75.00 | 6.00 | | 450.0 | | |
| | Basic Rate | 18.75 | | | | | **450.0** | **20.25** | **9113.00** |
| | Area Weightage 8% | 1.50 | | | | | | | |
| | **Total** | **20.25** | | | | | | | |
| 2 | KSRRB M400-1. **For Grading I Material** Construction of **granular sub-base** by providing close graded granular sub-base Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A. Plant Mix Method. **Page No. 167/ Item No. 20.4.1 PWD SR 2013-14** | | | | | | | | |
| | | | 1 | 75.00 | 6.00 | 0.15 | 67.50 | | |
| | Basic Rate | 982.00 | | | | | 67.50 | 1060.56 | **71588.00** |
| | Area Weightage 8% | 78.56 | | | | | | | |
| | **Total** | **1060.56** | | | | | | | |
| 3 | KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 **Page No. 170/ Item No. 20.18/ PWD SR 2013-14** | **Cum** | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1st Main roads | | 1 | 75.00 | 6.00 | 0.20 | 90.00 | | |
| | Basic Rate | 1038.00 | | | | | **90.00** | **1121.04** | **100894.00** |
| | Area Weightage 8% | 83.04 | | | | | | | |
| | **Total** | **1121.04** | | | | | | | |
| **4** | KSRRB 500-9: Providing and applying **tack coat** on Granular base such as WBM and WMM surfaces hot bitumen primed at 10kg per 10sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.9/ PWD SR 2013-14** | **Sqm** | | | | | | | |
| | | | 1 | 75.00 | 6.00 | | 450 | | |
| | Basic Rate | 26.80 | | | | | **450** | **28.94** | **13023.00** |
| | Area Weightage 8% | 2.14 | | | | | | | |
| | **Total** | **28.94** | | | | | | | |
| **5** | KSRRB 500-2: Cleaning the existing **black topped surface** with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14** | **Sqm** | | | **Avg** | | | | |
| | **Cross roads Existin asphalt** | | 1 | 210.00 | 5.00 | | 1050.0 | | |
| | Basic Rate | 2.40 | | | | | **1050.0** | **2.59** | **2720.00** |
| | Area Weightage 8% | 0.19 | | | | | | | |
| | **Total** | **2.59** | | | | | | | |
| **6** | KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.7/ PWD SR 2013-14** | **Sqm** | | | | | | | |
| | Cross roads | | 1 | 75.00 | 6.00 | | 450.00 | | |
| | Basic Rate | 16.60 | 1 | 210.00 | 5.00 | | 1050.00 | | |
| | Area Weightage 8% | 1.33 | | | | | **1500.00** | **17.93** | **26895.00** |
| | **Total** | **17.93** | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 7 | KSRRB M500-17: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 178/ Item No. 21.20.5/ PWD SR 2013-14** | **Cum** | | | | | | | |
| | 1st Main roads | | 1 | 210.00 | 5.00 | 0.03 | 31.50 | | |
| | Basic Rate | 9069.00 | | | | | **31.50** | **9794.52** | **308527.00** |
| | Area Weightage 8% | 725.52 | | | | | | | |
| | **Total** | **9794.52** | | | | | | | |
| 8 | Carriage of Mixed Materials Page No. 186 Note PWD SR 2013-14 | | | **Qty item no.5** | | | **31.50** | 52.11 | **1641.00** |
| | 1st to2ndKM | 5.75 | | | | | | | |
| | 2nd-5th KM | 16.50 | | | | | | | |
| | 5th -10th KM | 26.00 | | | | | | | |
| | | **48.25** | | | | | | | |
| | Area Weightage 8% | 3.86 | | | | | | | |
| | **Total** | **52.11** | | | | | | | |
| | | | | | | | | | |
| 9 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14** | Cum | | | | | | | |
| | | | Qty Vide Item No. 1*0.15 | | | | **67.50** | 78.24 | **5281.00** |
| | 2 x 1.28 x 4 Kmtrs | 10.24 | | | | | | | |
| | | 62.20 | | | | | | | |
| | Basic Rate | **72.44** | | | | | | | |
| | Add Area Weightage 8% | 5.80 | | | | | | | |
| | **Total** | **78.24** | | | | | | | |
| | | | | | | | | | |
| 10 | For Quality Control Report Charges1% of the Estimate Cost | | | | | | | | **59400.00** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11 | Miscellaneous and UnforessenCharges | | | | | | | | 4808.00 |
| | | | | | | | | Total | 600000.00 |

**(Rupees. Six Lakhs Only)**

**CERTIFICATE:-**

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

**Assistant Engineer**
**Ward-14**

**Assistant Executive Engineer**
**T. Dasarahalli Sub-Division**
**B.B.M.P**

**Executive Engineer**
**Dasarahalli Division**
**B.B.M.P. Bangalore.**

ನಂ. EE DZ/812/13-14 ದಿನಾಂಕ : 18-2-14
ರೂ. 6-00 Lakhs (Six Lakhs only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
P-153
EW-812
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
18/2/14

ನಂ:ಇಇ/DD/TS/718/13-14 ದಿನಾಂಕ : 19/02/2014
ರೂ. 6.00 Lakhs (Rupees Six lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
19/2